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Image Processing, 1997. Proceedings., International Conference on , Volume: 1 , 26-29 Oct. 1997

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5 Sound field processor for creating virtual concert hall impression in home*Ducksoo Lee; Koengmo Sung;*Consumer Electronics, IEEE Transactions on , Volume: 41 , Issue: 2 , May 199
Pages:273 - 281[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) **IEEE JNL**

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1 Nonlinear statistical retrievals of ice content and rain rate from pass microwave observations of a simulated convective storm
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You-Li Chen; Bor-Sen Chen;

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14 A generic bandwidth allocation scheme for multimedia substreams adaptive networks using genetic algorithms

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<input type="checkbox"/>	L11	dergadation simulation	0
<input type="checkbox"/>	L10	L9 and degradation near20 simulation	1
<input type="checkbox"/>	L9	L8 and degradation near5 simulation	1
<input type="checkbox"/>	L8	L7 and sound	32
<input type="checkbox"/>	L7	L6 and picture	40
<input type="checkbox"/>	L6	L5 and television	45
<input type="checkbox"/>	L5	L4 and film	120
<input type="checkbox"/>	L4	L3 and algorithm?	456
<input type="checkbox"/>	L3	L1 and image and audio	995
<input type="checkbox"/>	L2	L1 and degradation simulator	4
<input type="checkbox"/>	L1	simulat\$ and degradation	22585

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20030055621 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 4

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055621

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055621 A1

TITLE: Hot carrier circuit reliability simulation

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wu, Lifeng	Fremont	CA	US	
Liu, Zhihong	Cupertino	CA	US	
Chen, Alvin I.	San Jose	CA	US	
Choi, Jeong Y.	Portland	OR	US	
McGaughy, Bruce W.	Fremont	CA	US	

US-CL-CURRENT: 703/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20020032548 A1

L2: Entry 2 of 4

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032548 A1

TITLE: Image and audio degradation simulator

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cuttner, Craig D.	Norwalk	CT	US	
Zitter, Robert M.	Stamford	CT	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 3. Document ID: US 4280285 A

L2: Entry 3 of 4

File: USPT

Jul 28, 1981

US-PAT-NO: 4280285

DOCUMENT-IDENTIFIER: US 4280285 A

TITLE: Simulator complex data transmission system having self-testing capabilities

DATE-ISSUED: July 28, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haas; Robert N.	Binghamton	NY		

US-CL-CURRENT: 434/30; 434/43, 434/58

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 4. Document ID: US 4207687 A

L2: Entry 4 of 4

File: USPT

Jun 17, 1980

US-PAT-NO: 4207687

DOCUMENT-IDENTIFIER: US 4207687 A

**** See image for Certificate of Correction ****TITLE: Simulator complex data transmission method and system

DATE-ISSUED: June 17, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haas; Robert N.	Binghamton	NY		
Mazzini; Carl A.	Windsor	NY		

US-CL-CURRENT: 434/49

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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Term	Documents
DEGRADATION	240387
DEGRADATIONS	4228
SIMULATOR	15772
SIMULATORS	5467

(((DEGRADATION ADJ SIMULATOR) AND 1).PGPB,USPT.	4
(L1 AND DEGRADATION SIMULATOR).PGPB,USPT.	4

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020032548 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 1

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032548 A1

TITLE: Image and audio degradation simulator

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cuttner, Craig D.	Norwalk	CT	US	
Zitter, Robert M.	Stamford	CT	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
DEGRADATION	240387
DEGRADATIONS	4228
SIMULATION	70352
SIMULATIONS	22516
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(L8 AND DEGRADATION NEAR5 SIMULATION).PGPB,USPT.	1

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[Generate OACS](#)

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☐ 1. Document ID: US 20020032548 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 1

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032548 A1

TITLE: Image and audio degradation simulator

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cuttner, Craig D.	Norwalk	CT	US	
Zitter, Robert M.	Stamford	CT	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Term	Documents
ALGORITHM?	0
ALGORITHMMA	3
ALGORITHMMC	1
ALGORITHMME	28
ALGORITHMMH	2
ALGORITHMHI	3
ALGORITHMJI	1
ALGORITHMML	2
ALGORITHMMM	6
ALGORITHMNN	56
ALGORITHMSS	106664
(L12 AND ALGORITHM?).PGPB,USPT.	1

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020032548 A1

Using default format because multiple data bases are involved.

L14: Entry 1 of 1

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032548 A1

TITLE: Image and audio degradation simulator

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cuttner, Craig D.	Norwalk	CT	US	
Zitter, Robert M.	Stamford	CT	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Term	Documents
IMAGE	568968
IMAGES	302351
AUDIO	151548
AUDIOS	289
(12 AND AUDIO AND IMAGE).PGPB,USPT.	1
(L12 AND IMAGE AND AUDIO).PGPB,USPT.	1

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Search Results - Record(s) 1 through 20 of 22 returned.

☐ 1. Document ID: US 20030195728 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 22

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030195728

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030195728 A1

TITLE: Method of estimating a lifetime of hot carrier of MOS transistor, and simulation of hot carrier degradation

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koike, Norio	Kyoto		JP	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20030054577 A1

L12: Entry 2 of 22

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054577

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030054577 A1

TITLE: Method for evaluating property of integrated circuit and method for designing the same

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yonezawa, Hirokazu	Hyogo		JP	
Ishikura, Satoshi	Osaka		JP	

US-CL-CURRENT: 438/14; 257/E21.525

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 20020144222 A1

L12: Entry 3 of 22

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020144222

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020144222 A1

TITLE: Method of simulating PLL circuit and computer program product therefor

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Noseyama, Hajime	Kanagawa		JP	

US-CL-CURRENT: 716/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 4. Document ID: US 20020032548 A1

L12: Entry 4 of 22

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020032548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020032548 A1

TITLE: Image and audio degradation simulator

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cuttner, Craig D.	Norwalk	CT	US	
Zitter, Robert M.	Stamford	CT	US	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 5. Document ID: US 20020022949 A1

L12: Entry 5 of 22

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022949

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022949 A1

TITLE: Apparatus and method for calculating temporal deterioration margin amount of LSI, and LSI inspection method

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yonezawa, Hirokazu	Hyogo		JP	
Kawakami, Yoshiyuki	Osaka		JP	
Iwanishi, Nobufusa	Osaka		JP	

US-CL-CURRENT: 703/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Drawn De
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☐ 6. Document ID: US 20020008252 A1

L12: Entry 6 of 22

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020008252

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020008252 A1

TITLE: Method of estimating lifetime of semiconductor device, and method of reliability simulation

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koike, Norio	Kyoto		JP	

US-CL-CURRENT: 257/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Drawn De
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☐ 7. Document ID: US 6634015 B2

L12: Entry 7 of 22

File: USPT

Oct 14, 2003

US-PAT-NO: 6634015

DOCUMENT-IDENTIFIER: US 6634015 B2

TITLE: Computer-readable storage media stored with a delay library for designing a semiconductor integrated circuit device

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Peter Maurice	Musashino			JP
Yokomizo; Goichi	Nishitama			JP

US-CL-CURRENT: 716/6; 438/14, 716/2, 716/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Drawn De
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☐ 8. Document ID: US 6587994 B1

L12: Entry 8 of 22

File: USPT

Jul 1, 2003

US-PAT-NO: 6587994

DOCUMENT-IDENTIFIER: US 6587994 B1

TITLE: Hot-carrier degradation simulation of a semiconductor device

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamaji; Mitsuru	Kawasaki			JP

US-CL-CURRENT: 716/4; 703/18, 716/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examiner	Technical	Claims	KMCC	Draw D
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☐ 9. Document ID: US 6541285 B2

L12: Entry 9 of 22

File: USPT

Apr 1, 2003

US-PAT-NO: 6541285

DOCUMENT-IDENTIFIER: US 6541285 B2

TITLE: Method of estimating lifetime of semiconductor device, and method of reliability simulation

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koike; Norio	Kyoto			JP

US-CL-CURRENT: 438/14; 324/769, 438/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examiner	Technical	Claims	KMCC	Draw D
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☐ 10. Document ID: US 6389382 B1

L12: Entry 10 of 22

File: USPT

May 14, 2002

US-PAT-NO: 6389382

DOCUMENT-IDENTIFIER: US 6389382 B1

TITLE: Method for simulation of pipeline processor using passing operation

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Ryuta	Kawasaki			JP

Kumamoto; Norichika

Kawasaki

JP

US-CL-CURRENT: 703/21; 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Technical	Claims	KMC	Draw. De
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☐ 11. Document ID: US 6073493 A

L12: Entry 11 of 22

File: USPT

Jun 13, 2000

US-PAT-NO: 6073493

DOCUMENT-IDENTIFIER: US 6073493 A

TITLE: Method of diagnosing fatigue life of structural steelwork and a member of steelwork having life diagnostic function

DATE-ISSUED: June 13, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakamoto; Hiroaki	Kawasaki			JP
Inaguma; Toru	Kawasaki			JP
Nakata; Yasuhiro	Tokyo			JP
Yazaki; Mitsuhiro	Tokyo			JP

US-CL-CURRENT: 73/801; 324/209, 73/779

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Technical	Claims	KMC	Draw. De
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☐ 12. Document ID: US 5974247 A

L12: Entry 12 of 22

File: USPT

Oct 26, 1999

US-PAT-NO: 5974247

DOCUMENT-IDENTIFIER: US 5974247 A

TITLE: Apparatus and method of LSI timing degradation simulation

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yonezawa; Hirokazu	Hyogo			JP

US-CL-CURRENT: 703/19; 703/20, 716/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Technical	Claims	KMC	Draw. De
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☐ 13. Document ID: US 5753921 A

L12: Entry 13 of 22

File: USPT

May 19, 1998

US-PAT-NO: 5753921

DOCUMENT-IDENTIFIER: US 5753921 A

TITLE: X-ray imaging detector with limited substrate and converter

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trauernicht; David P.	Rochester	NY		
Yorkston; John	Ann Arbor	MI		

US-CL-CURRENT: 250/370.09; 250/580

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KWIC	Draw De
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☐ 14. Document ID: US 5657354 A

L12: Entry 14 of 22

File: USPT

Aug 12, 1997

US-PAT-NO: 5657354

DOCUMENT-IDENTIFIER: US 5657354 A

TITLE: Planar approximating method for computing the log-likelihood ratio optimal signal metric of each component code decoder in 8-PSK block coded modulation systems

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thesling, III; William H.	Bedford	OH	44126	
Vanderaar; Mark J.	Medina	OH	44256	

US-CL-CURRENT: 375/332; 375/280

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KWIC	Draw De
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☐ 15. Document ID: US 5650626 A

L12: Entry 15 of 22

File: USPT

Jul 22, 1997

US-PAT-NO: 5650626

DOCUMENT-IDENTIFIER: US 5650626 A

**** See image for Certificate of Correction ****

TITLE: X-ray imaging detector with thickness and composition limited substrate

DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trauernicht; David P.	Rochester	NY		

Yorkston; John

Ann Arbor MI

US-CL-CURRENT: 250/370.09; 250/580, 257/E27.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. De
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☐ 16. Document ID: US 5634001 A

L12: Entry 16 of 22

File: USPT

May 27, 1997

US-PAT-NO: 5634001

DOCUMENT-IDENTIFIER: US 5634001 A

TITLE: Method to calculate hot-electron test voltage differential for assessing microprocessor reliability

DATE-ISSUED: May 27, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mittl; Steven W.	Essex	VT		
Moran; David E.	South Burlington	VT		
O'Gorman; Timothy J.	Williston	VT		
Watson; Kimball M.	Essex Junction	VT		

US-CL-CURRENT: 714/33; 714/40, 714/55, 714/745

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. De
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☐ 17. Document ID: US 5314806 A

L12: Entry 17 of 22

File: USPT

May 24, 1994

US-PAT-NO: 5314806

DOCUMENT-IDENTIFIER: US 5314806 A

**** See image for Certificate of Correction ****

TITLE: Biological degradation of sodium oxalate with bacillus agal N91/005579

DATE-ISSUED: May 24, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morton; Robert A.	Australind			AU
Dilworth; Michael J.	Murdoch			AU
Wienecke; Barbara	Murdoch			AU

US-CL-CURRENT: 435/41; 210/601, 435/252.5, 435/262.5, 435/818, 435/832

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. De
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☐ 18. Document ID: US 4937841 A

L12: Entry 18 of 22

File: USPT

Jun 26, 1990

US-PAT-NO: 4937841

DOCUMENT-IDENTIFIER: US 4937841 A

TITLE: Method and circuitry for carrier recovery for time division multiple access radio systems

DATE-ISSUED: June 26, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chuang; Justin C.	Eatontown	NJ		
Sollenberger; Nelson R.	East Millstone	NJ		

US-CL-CURRENT: 375/340; 329/360, 375/344

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw De
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☐ 19. Document ID: US 4873657 A

L12: Entry 19 of 22

File: USPT

Oct 10, 1989

US-PAT-NO: 4873657

DOCUMENT-IDENTIFIER: US 4873657 A

TITLE: Method for simulating an image by correlation

DATE-ISSUED: October 10, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kornfeld; Gertrude H.	Alexandria	VA		

US-CL-CURRENT: 703/6; 345/418, 382/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw De
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☐ 20. Document ID: US 4849991 A

L12: Entry 20 of 22

File: USPT

Jul 18, 1989

US-PAT-NO: 4849991

DOCUMENT-IDENTIFIER: US 4849991 A

**** See image for Certificate of Correction ****

TITLE: Method and circuitry for determining symbol timing for time division multiple access radio systems

DATE-ISSUED: July 18, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arnold; Hamilton W.	Holmdel	NJ		
Sollenberger; Nelson R.	East Millstone	NJ		

US-CL-CURRENT: 375/330; 375/325, 375/326, 375/354

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KMIC	Draw. De
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Term	Documents
DEGRADATION	240387
DEGRADATIONS	4228
SIMULATION	70352
SIMULATIONS	22516
(DEGRADATION ADJ SIMULATION).PGPB,USPT.	22
(DEGRADATION SIMULATION).PGPB,USPT.	22

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Search Results - Record(s) 21 through 22 of 22 returned.☐ 21. Document ID: US 4136142 A**Using default format because multiple data bases are involved.**

L12: Entry 21 of 22

File: USPT

Jan 23, 1979

US-PAT-NO: 4136142

DOCUMENT-IDENTIFIER: US 4136142 A

TITLE: Process for extruding stabilized expanded polystyrene composition

DATE-ISSUED: January 23, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hargreaves; Brian	Sarnia			CA
Richmond; Michael H.	Sarnia			CA

US-CL-CURRENT: 264/53; 264/211, 264/37.29, 521/146, 521/88

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw De
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☐ 22. Document ID: US 4064640 A

L12: Entry 22 of 22

File: USPT

Dec 27, 1977

US-PAT-NO: 4064640

DOCUMENT-IDENTIFIER: US 4064640 A

**** See image for Certificate of Correction ****

TITLE: Four-point ground reaction for skid equipped helicopters

DATE-ISSUED: December 27, 1977

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cummings; Thomas R.	Binghamton	NY		
Mazza, Jr.; Anthony J.	Binghamton	NY		

US-CL-CURRENT: 434/33; 703/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw De
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